## SEQUENCE LISTING

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	tta															96
Leu	Leu	Leu	Ser 20	11e	GIY	Pro	GIN	Asn 25	vai	Leu	vai	116		GIN	Gly	
2++	aag	cac		aaa	ata	2++	aoa		a++	oto	ata	+ a+	30	2++	tat	144
	Lys		-					-								144
110	Lys	35	Olu	01)	LCu	110	40	vai	LCu	Dou	, 41	45	Lcu	110	DCI	
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_	Val		_			_			_		-			_		
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Tyr	Leu	Leu	Trp		Ala	Val	Met	Ala		Lys	Asp	Ala	Met		Asn	
000	~+ ~	~~~	~~~	85	000	oto	0++	~~~	90	000	~~~	000	000	95	000	226
	gtg Val	_			_											336
Lys	vai	Ulu	100	110	GIII	116	116	105	oru	1111	Giu	110	110	Val	110	
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	Asp															
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cgg	gtg	cgg	gtg	gag	gtg	agc	gtc	gat	aag	cag	cgg	gtt	tgg	gta	aag	432
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	atg	_				-	_									480
	Met	Leu	Met	Ala		Val	Leu	Thr	Trp		Asn	Pro	Asn	Ala		
145		~~~	+++	~+~	150	a <b>t</b> a				155			+	~~~	160	E00
	gac Asp															528
Leu	nsp	nia	1 110	165	THE	116	Oly	Oly	170	Oly	піа	OIII	1 9 1	175	nsp	
acc	gga	cgg	tgg		ttc	gcc	gct	ggc		ttc	gcg	gca	agc		atc	576
	Gly															
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20 25 30

Ile Lys Arg Glu Gly Leu Ile Ala Val Leu Leu Val Cys Leu Ile Ser 35 40 45

Asp Val Phe Leu Phe Ile Ala Gly Thr Leu Gly Val Asp Leu Leu Ser 50 55 60

Asn Ala Ala Pro Ile Val Leu Asp Ile Met Arg Trp Gly Gly Ile Ala 65 70 75 80

Tyr Leu Leu Trp Phe Ala Val Met Ala Ala Lys Asp Ala Met Thr Asn 85 90 95

Lys Val Glu Ala Pro Gln Ile Ile Glu Glu Thr Glu Pro Thr Val Pro 100 105 110

Asp Asp Thr Pro Leu Gly Gly Ser Ala Val Ala Thr Asp Thr Arg Asn 115 120 125

Arg Val Arg Val Glu Val Ser Val Asp Lys Gln Arg Val Trp Val Lys 130 135 140

Pro Met Leu Met Ala Ile Val Leu Thr Trp Leu Asn Pro Asn Ala Tyr 145 150 155 160

Leu Asp Ala Phe Val Phe Ile Gly Gly Val Gly Ala Gln Tyr Gly Asp 165 170 175

Thr Gly Arg Trp Ile Phe Ala Ala Gly Ala Phe Ala Ala Ser Leu Ile 180 185 190

Trp Phe Pro Leu Val Gly Phe Gly Ala Ala Ala Leu Ser Arg Pro Leu 195 200 205

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25

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195

190

185

ant are att att too att one not one ate and and art art at	
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His Gly Val Ile Ser Val Thr Thr Asn Val Ala Ala Arg Asp Met	
200 205 210	215
cag atg tgc aaa ctg gca gca gaa gaa cat ttt gcc gag gca cgc	
Gln Met Cys Lys Leu Ala Ala Glu Glu His Phe Ala Glu Ala Arg	
220 225 230	
att aat cag cgt ctg atg cca tta cac aac aaa cta ttt gtc gaa	
Ile Asn Gln Arg Leu Met Pro Leu His Asn Lys Leu Phe Val Glu	Pro
235 240 245	
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Asn Pro Ile Pro Val Lys Trp Ala Cys Lys Glu Leu Gly Leu Val	Ala
250 255 260	
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\$\langle 400 \rangle 14\$         Met Phe Thr Gly Ser Ile Val Ala Ile Val Thr Pro Met Asp Glu         1       5         61y Asn Val Cys Arg Ala Ser Leu Lys Lys Leu Ile Asp Tyr His         20       25         30         Ala Ser Gly Thr Ser Ala Ile Val Ser Val Gly Thr Thr Gly Glu         35       40         45         Ala Thr Leu Asn His Asp Glu His Ala Asp Val Val Met Met Thr         55       60         Asp Leu Ala Asp Gly Arg Ile Pro Val Ile Ala Gly Thr Gly Ala         65       70         70       75         Ala Thr Ala Glu Ala Ile Ser Leu Thr Gln Arg Phe Asn Asp Ser         85       90         95         11e Val Gly Cys Leu Thr Val Thr Pro Tyr Tyr Asn Arg Pro Ser	Val Ser Leu Asn 80 Gly
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\$\langle 400 \rangle 14\$         Met Phe Thr Gly Ser Ile Val Ala Ile Val Thr Pro Met Asp Glu         1       5         61y Asn Val Cys Arg Ala Ser Leu Lys Lys Leu Ile Asp Tyr His         20       25         30         Ala Ser Gly Thr Ser Ala Ile Val Ser Val Gly Thr Thr Gly Glu         35       40         45         Ala Thr Leu Asn His Asp Glu His Ala Asp Val Val Met Met Thr         55       60         Asp Leu Ala Asp Gly Arg Ile Pro Val Ile Ala Gly Thr Gly Ala         65       70         70       75         Ala Thr Ala Glu Ala Ile Ser Leu Thr Gln Arg Phe Asn Asp Ser         85       90         95         11e Val Gly Cys Leu Thr Val Thr Pro Tyr Tyr Asn Arg Pro Ser	Val Ser Leu Asn 80 Gly Gln
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Lys Glu Ala Thr Gly Asn Leu Thr Arg Val Asn Gln Ile Lys Glu Leu Val Ser Asp Asp Phe Val Leu Leu Ser Gly Asp Asp Ala Ser Ala Leu Asp Phe Met Gln Leu Gly Gly His Gly Val Ile Ser Val Thr Thr Asn Val Ala Ala Arg Asp Met Ala Gln Met Cys Lys Leu Ala Ala Glu Glu His Phe Ala Glu Ala Arg Val Ile Asn Gln Arg Leu Met Pro Leu His Asn Lys Leu Phe Val Glu Pro Asn Pro Ile Pro Val Lys Trp Ala Cys Lys Glu Leu Gly Leu Val Ala Thr Asp Thr Leu Arg Leu Pro Met Thr Pro Ile Thr Asp Ser Gly Arg Glu Thr Val Arg Ala Ala Leu Lys His Ala Gly Leu Leu